

FIGURE 1

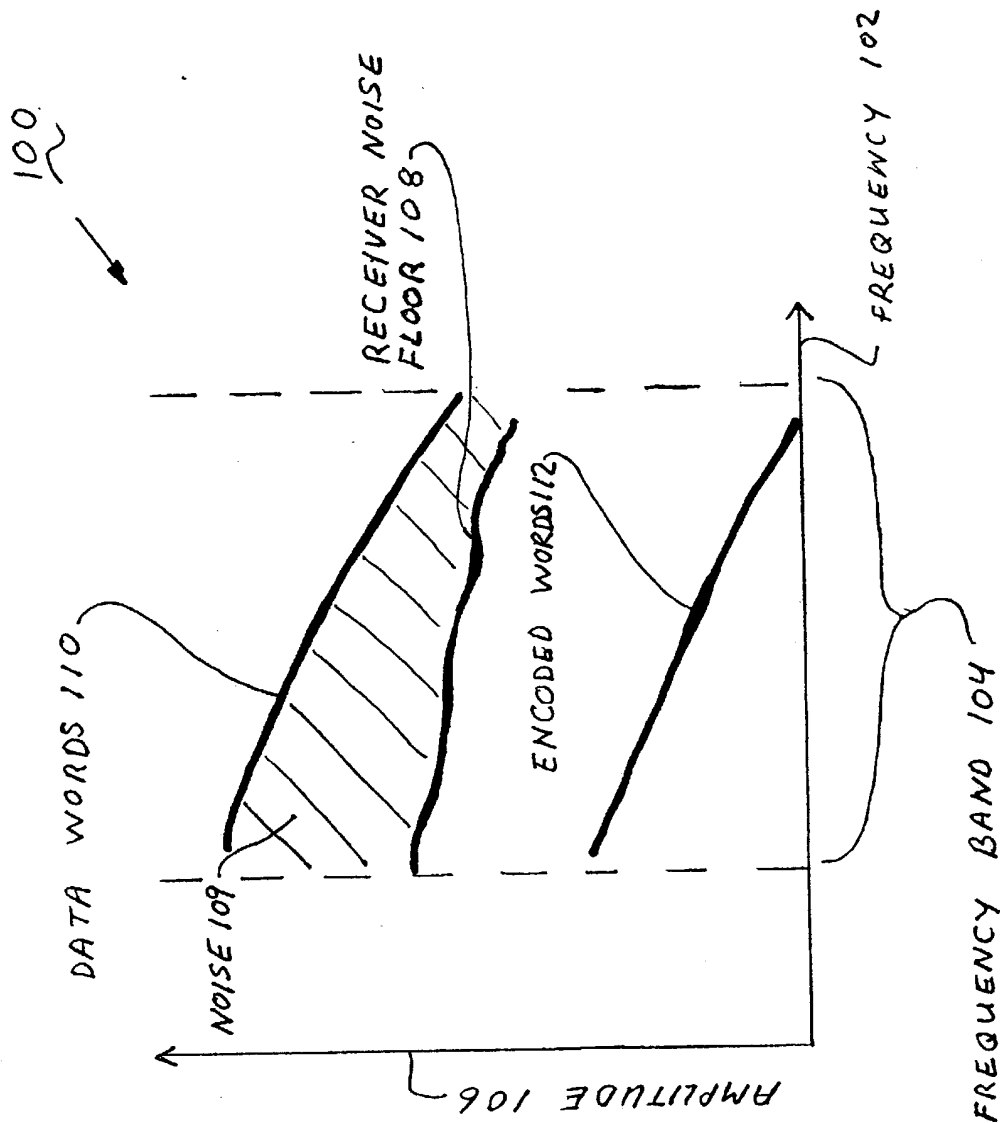


FIGURE 2

200

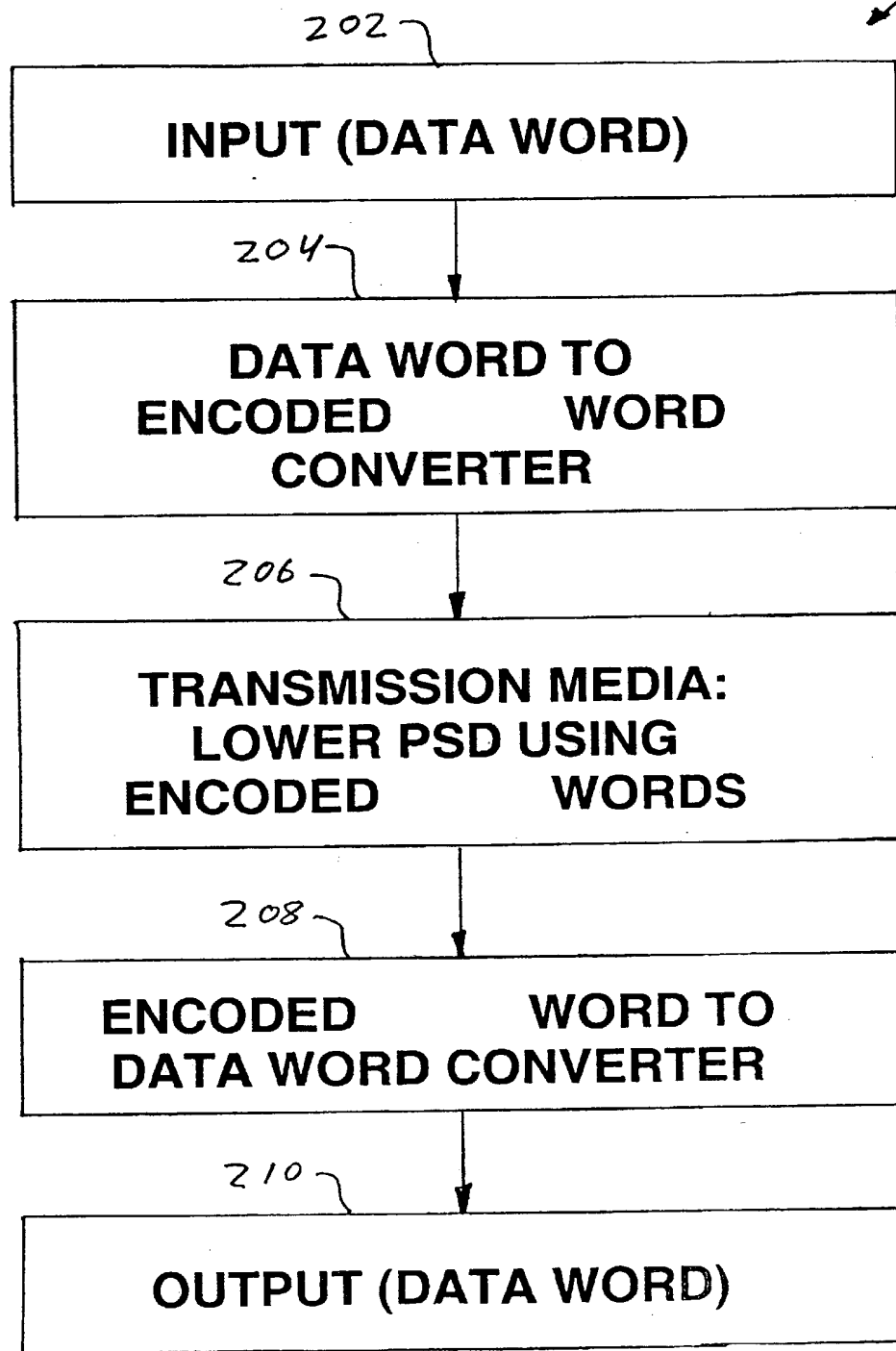


FIGURE 3

300

306

302

304

306a

4-817 Data words				6-817 Balanced ENCODED WORDS			
0	0	0	0	0	0	1	1
0	0	0	1	0	0	1	1
0	0	1	0	0	1	0	1
0	0	1	1	0	1	0	1
0	1	0	0	0	1	1	0
0	1	0	1	0	1	1	0
0	1	1	0	0	1	1	0
0	1	1	1	0	1	1	0
1	0	0	0	1	0	1	1
1	0	0	1	1	0	1	1
1	0	1	0	1	0	1	1
1	0	1	1	1	0	1	1
1	1	0	0	1	0	1	1
1	1	0	1	1	0	1	1
1	1	1	0	1	1	0	1
1	1	1	1	1	1	0	1

FIGURE 4A

400

7 Bit Data Words		9-BIT ENCODED Words
406	0100111	011001011 406a
408	1111111	110110100 408a
410	1001110	100111100 410a

FIGURE 4B

7-BIT DATA WORDS							9-BIT ENCODED WORDS						
0	0	0	0	0	0	0	0	0	1	0	0	1	0
0	0	0	0	0	0	1	0	0	1	0	0	1	1
0	0	0	0	0	1	0	0	0	1	0	1	0	1
0	0	0	0	0	1	1	0	0	1	0	1	0	1
0	0	0	0	1	0	0	0	0	1	0	1	0	1
0	0	0	0	1	0	1	0	0	1	0	1	1	0
0	0	0	0	1	1	0	0	0	1	0	1	1	0
0	0	0	0	1	1	1	0	0	1	0	1	1	0
0	0	0	1	0	0	0	0	0	1	0	1	1	0
0	0	0	1	0	0	1	0	0	1	1	0	0	1
0	0	0	1	0	1	0	0	0	1	1	0	0	1
0	0	0	1	0	1	1	0	0	1	1	0	0	1
0	0	0	1	1	0	0	0	0	1	1	0	1	0
0	0	0	1	1	0	1	0	0	1	1	0	1	0
0	0	0	1	1	1	0	0	0	1	1	0	1	0
0	0	0	1	1	1	1	0	0	1	1	0	1	0
0	0	1	0	0	0	0	0	0	1	1	0	1	0
0	0	1	0	0	0	1	0	0	1	1	0	1	0
0	0	1	0	0	1	0	0	0	1	0	1	0	1
0	0	1	0	0	1	1	0	0	1	0	1	1	0
0	0	1	0	1	0	0	0	0	1	1	0	0	1
0	0	1	0	1	0	1	0	0	1	1	0	0	1
0	0	1	0	1	1	0	0	0	1	1	0	1	0
0	0	1	0	1	1	1	0	0	1	1	0	1	1
0	0	1	1	0	0	0	0	0	1	0	0	1	0
0	0	1	1	0	0	1	0	0	1	0	0	1	1
0	0	1	1	0	1	0	0	0	1	0	0	1	1
0	0	1	1	0	1	1	0	0	1	0	0	1	1
0	0	1	1	1	0	0	0	0	1	0	1	0	0
0	0	1	1	1	0	1	0	0	1	0	1	0	1
0	0	1	1	1	1	0	0	0	1	0	1	1	0
0	0	1	1	1	1	1	0	0	1	0	1	1	0
0	1	0	0	0	0	0	0	0	1	0	1	0	0
0	1	0	0	0	0	0	1	0	0	1	0	0	1
0	1	0	0	0	1	0	0	0	1	0	1	0	0
0	1	0	0	0	1	1	0	0	1	0	1	0	1
0	1	0	0	1	0	0	0	0	1	1	0	0	1
0	1	0	0	1	1	0	0	0	1	1	0	1	0
0	1	0	0	1	1	1	0	0	1	1	0	1	1

[illegible]

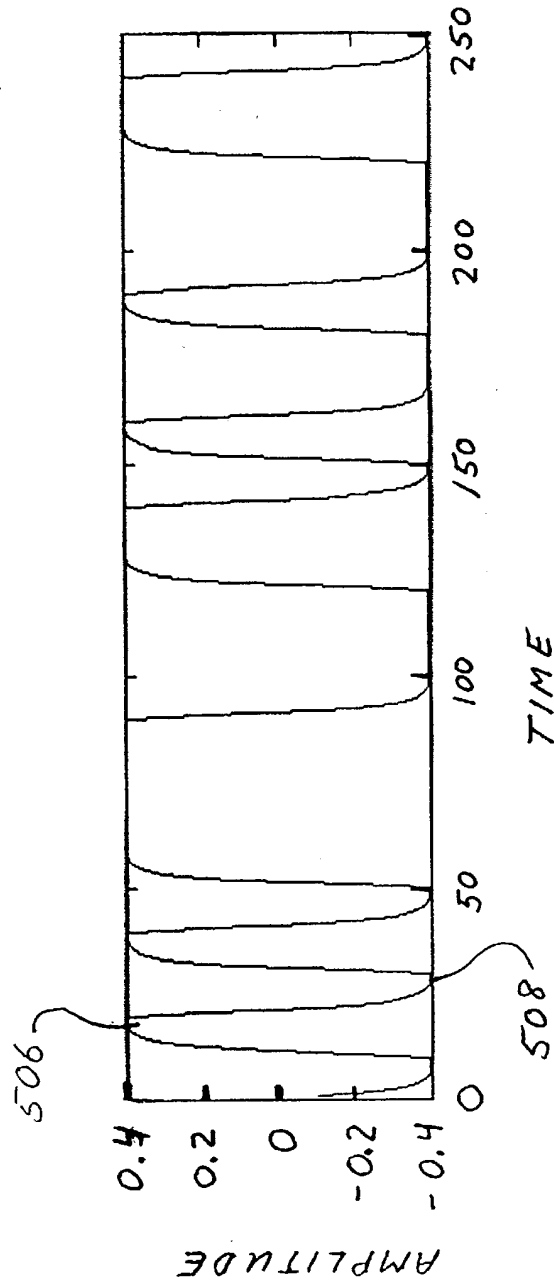
7-BIT DATA WORDS							9-BIT ENCODED WORDS								
0	1	0	1	0	0	0	0	1	1	0	0	1	1	0	0
0	1	0	1	0	0	1	0	1	1	0	0	1	1	0	1
0	1	0	1	0	1	0	0	1	1	0	0	1	1	1	0
0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	1
0	1	0	1	1	0	0	0	1	1	0	1	0	0	1	0
0	1	0	1	1	0	1	0	1	1	0	1	0	0	1	1
0	1	0	1	1	1	0	0	1	1	0	1	0	1	0	0
0	1	0	1	1	1	1	1	0	1	1	0	1	0	1	0
0	1	1	0	0	0	0	0	0	1	1	0	1	0	1	0
0	1	1	0	0	0	1	0	1	1	0	1	1	0	0	1
0	1	1	0	0	1	0	0	1	1	0	1	1	0	1	0
0	1	1	0	0	1	1	1	1	0	0	0	1	0	0	1
0	1	1	0	1	0	1	0	1	0	0	0	1	0	1	0
0	1	1	0	1	1	0	0	1	0	0	0	1	0	1	1
0	1	1	0	1	1	1	1	1	0	0	0	1	1	0	0
0	1	1	1	0	0	0	0	1	0	0	0	1	1	0	1
0	1	1	1	0	0	1	0	1	0	0	0	1	1	0	1
0	1	1	1	0	1	0	1	0	0	0	0	1	1	1	0
0	1	1	1	1	0	0	0	1	0	0	1	0	0	0	1
0	1	1	1	1	0	1	1	1	0	0	1	0	1	0	1
1	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1
1	0	0	0	0	0	1	0	1	0	0	1	0	1	0	1
1	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0
1	0	0	0	0	1	1	1	1	0	0	1	0	1	1	0
1	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0
1	0	0	0	1	0	0	1	1	0	0	1	1	0	0	1
1	0	0	0	1	1	1	1	1	0	0	1	1	0	0	1
1	0	0	1	0	0	0	0	1	0	0	1	1	0	1	0
1	0	0	1	0	0	1	0	1	0	0	1	1	0	1	0
1	0	0	1	0	1	1	1	1	0	0	1	1	1	0	0
1	0	0	1	1	0	0	0	1	0	0	1	1	1	0	0
1	0	0	1	1	1	1	1	1	0	1	0	0	0	1	0
1	0	1	0	0	0	0	0	1	0	1	0	0	0	1	0
1	0	1	0	0	1	0	0	1	0	1	0	0	1	0	0
1	0	1	0	0	1	1	1	1	0	1	0	0	1	0	1
1	0	1	0	1	0	0	0	1	0	1	0	0	1	1	0
1	0	1	0	1	0	1	0	1	0	1	0	0	1	1	0
1	0	1	0	1	1	0	0	1	0	1	0	0	1	1	0
1	0	1	0	1	1	1	0	1	0	1	0	0	1	1	0

Figure 1. The effect of the concentration of the *Agrobacterium* strain on the transformation efficiency of *Agrobacterium* strain 102. The concentration of the *Agrobacterium* strain 102 was varied from 10<sup>6</sup> to 10<sup>9</sup> cells/ml. The transformation efficiency was determined by the number of transformants per 10<sup>6</sup> cells of the *Agrobacterium* strain 102. The data are the mean  $\pm$  SD of three independent experiments. The asterisk (\*) indicates a significant difference from the control (p < 0.05).

7-BIT DATA WORDS							9-BIT ENCODED WORDS								
1	0	1	0	1	1	1	1	0	1	0	1	0	0	0	1
1	0	1	1	0	0	0	1	1	0	1	0	1	0	0	1
1	0	1	1	0	0	1	1	1	0	1	0	1	0	0	1
1	0	1	1	0	1	0	1	1	0	1	0	1	0	1	0
1	0	1	1	0	1	1	1	1	0	1	0	1	0	1	1
1	0	1	1	1	0	0	1	1	0	1	0	1	0	1	1
1	0	1	1	1	0	1	1	1	0	1	1	0	0	0	1
1	0	1	1	1	1	0	1	1	0	1	1	0	1	0	0
1	0	1	1	1	1	1	1	1	0	1	1	1	0	0	0
1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	1
1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	1
1	1	0	0	0	1	0	0	1	0	1	1	0	0	0	1
1	1	0	0	0	1	1	1	1	0	1	1	0	0	1	0
1	1	0	0	1	0	0	0	1	0	1	1	0	0	1	0
1	1	0	0	1	0	1	1	1	0	1	1	0	0	1	1
1	1	0	0	1	1	0	1	1	0	1	1	0	0	0	1
1	1	0	0	1	1	1	1	1	0	1	1	0	1	0	0
1	1	0	1	0	0	0	0	1	0	1	1	0	1	1	0
1	1	0	1	0	0	1	0	1	0	1	1	1	0	0	1
1	1	0	1	0	1	0	0	1	0	1	1	1	0	0	1
1	1	0	1	1	0	0	0	1	0	1	1	0	0	0	1
1	1	0	1	1	1	0	1	1	0	1	1	0	0	0	1
1	1	1	0	0	0	0	0	1	0	1	1	0	0	1	0
1	1	1	0	0	0	1	0	1	0	1	1	0	0	1	1
1	1	1	0	0	1	0	0	1	0	1	1	0	1	0	0
1	1	1	0	0	1	1	1	1	0	0	1	0	1	0	1
1	1	1	0	1	0	0	0	1	0	0	1	0	1	1	0
1	1	1	0	1	0	1	0	1	0	0	1	1	0	0	0
1	1	1	0	1	1	0	1	1	0	0	1	1	0	0	1
1	1	1	0	1	1	1	1	1	0	0	1	1	0	1	0
1	1	1	1	0	0	0	0	1	0	1	0	0	1	0	0
1	1	1	1	0	0	1	1	1	0	1	0	0	1	0	1
1	1	1	1	0	1	0	0	1	0	1	0	0	1	1	0
1	1	1	1	0	1	1	1	1	0	1	0	1	0	0	1
1	1	1	1	1	0	0	0	1	0	1	0	1	0	1	0
1	1	1	1	1	0	1	0	1	0	1	1	0	0	1	0
1	1	1	1	1	1	0	0	1	0	1	1	0	0	1	0
1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0

FIG. 5

FIGURE 5



500



FIGURE 6

FIGURE 6

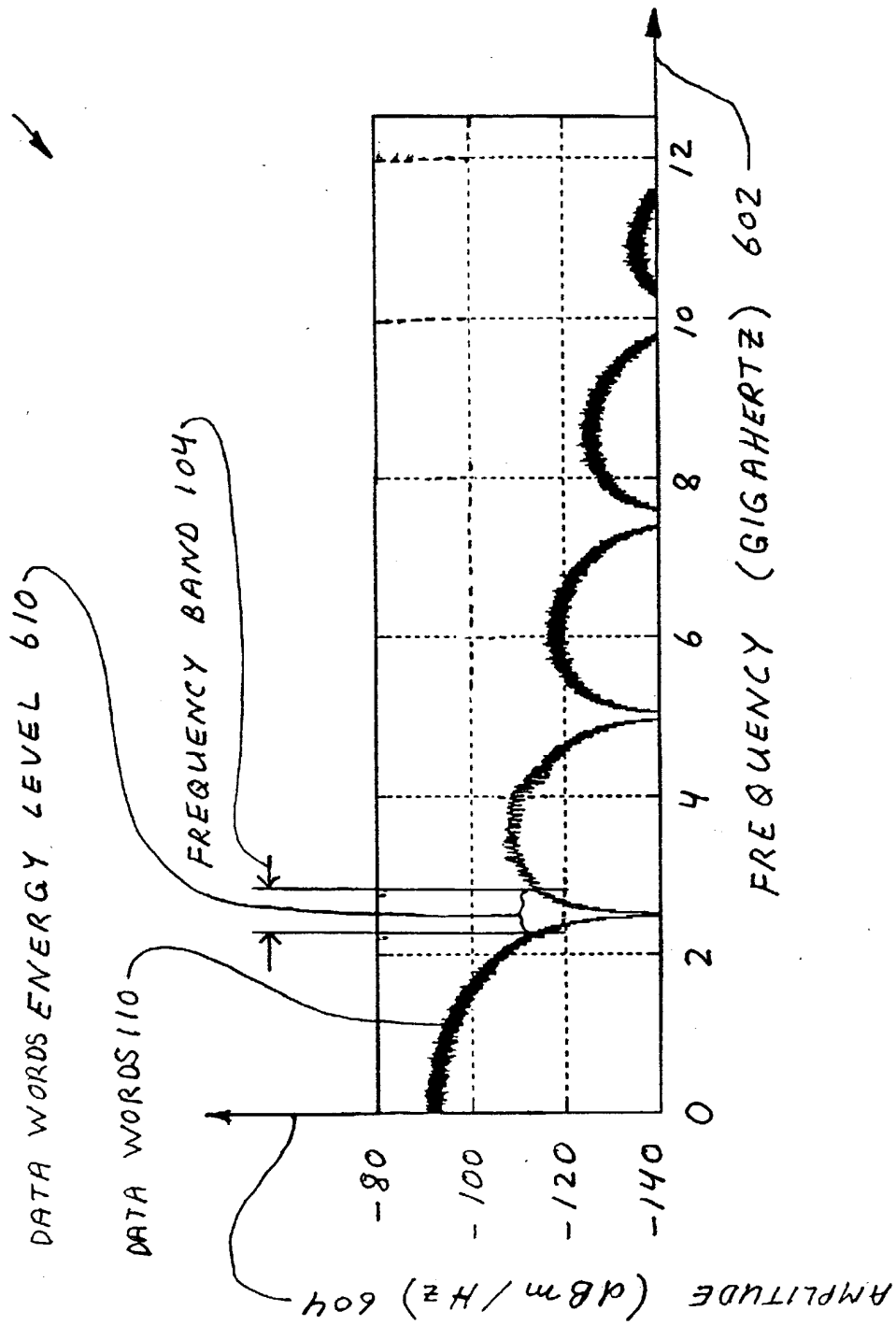


FIGURE 7

